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Quaternary Fault and Fold Database of the United States

As of January 12, 2017, the USGS maintains a limited number of metadata fields that characterize the Quaternary faults and folds of the United States. For the most up-to-date information, please refer to the interactive fault map.

Koosharem fault (Class A) No. 2503

Last Review Date: 1999-10-01

Compiled in cooperation with the Utah Geological Survey

citation for this record: **Black, B.D., and Hecker, S., compilers, 1999, Fault number 2503, Koosharem fault, in Quaternary fault and fold database of the United States: U.S. Geological Survey website, https://earthquakes.usgs.gov/hazards/qfaults, accessed 12/14/2020 02:55 PM.**

Synopsis	Poorly understood Quaternary(?) fault along the eastern side of the Sevier Plateau, west of Koosharem.
Name comments	**Fault ID:** Refers to fault number 14-5 in Hecker (1993 #642).
County(s) and State(s)	SEVIER COUNTY, UTAH
Physiographic province(s)	COLORADO PLATEAUS
Reliability of	Good

location	Compiled at 1:24,000 scale. *Comments:* Fault traces simplified from 1:24,000-scale mapping of Rowley and others (1986 #4575).
Geologic setting	Short, northeast-trending, range-front fault along the eastern flank of the Sevier Plateau west of Koosharem, near the eastern boundary of the Basin and Range province. The Sevier Plateau is in the Southern High Plateaus of south-central Utah, which are subdivided along physiographic breaks produced by external bounding cliffs and internal alluvium-filled valleys following north-trending fault lines.
Length (km)	2 km.
Average strike	N°E
Sense of movement	Normal
Dip Direction	SE
Paleoseismology studies	
Geomorphic expression	Several closely spaced bedrock faults have short strands that cut Quaternary piedmont-slope deposits. Hecker (1993 #642) reports the faults appear on aerial photos as lineaments that cross dissected alluvial deposits.
Age of faulted surficial deposits	Quaternary(?)
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) *Comments:*
Recurrence interval	
Slip-rate category	Less than 0.2 mm/yr
Date and	1999

Compiler(s)	Bill D. Black, Utah Geological Survey Suzanne Hecker, U.S. Geological Survey
References	#642 Hecker, S., 1993, Quaternary tectonics of Utah with emphasis on earthquake-hazard characterization: Utah Geological Survey Bulletin 127, 157 p., 6 pls., scale 1:500,000. #4575 Rowley, P.D., Williams, P.L., and Kaplan, A.M., 1986, Geologic map of the Koosharem quadrangle, Sevier and Piute Counties, Utah: U.S. Geological Survey Geologic quadrangle Map GQ-1590, scale 1:24,000.